

# IM credit Requirements Use Case Document

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## 1. Introduction

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### 1.1 Purpose

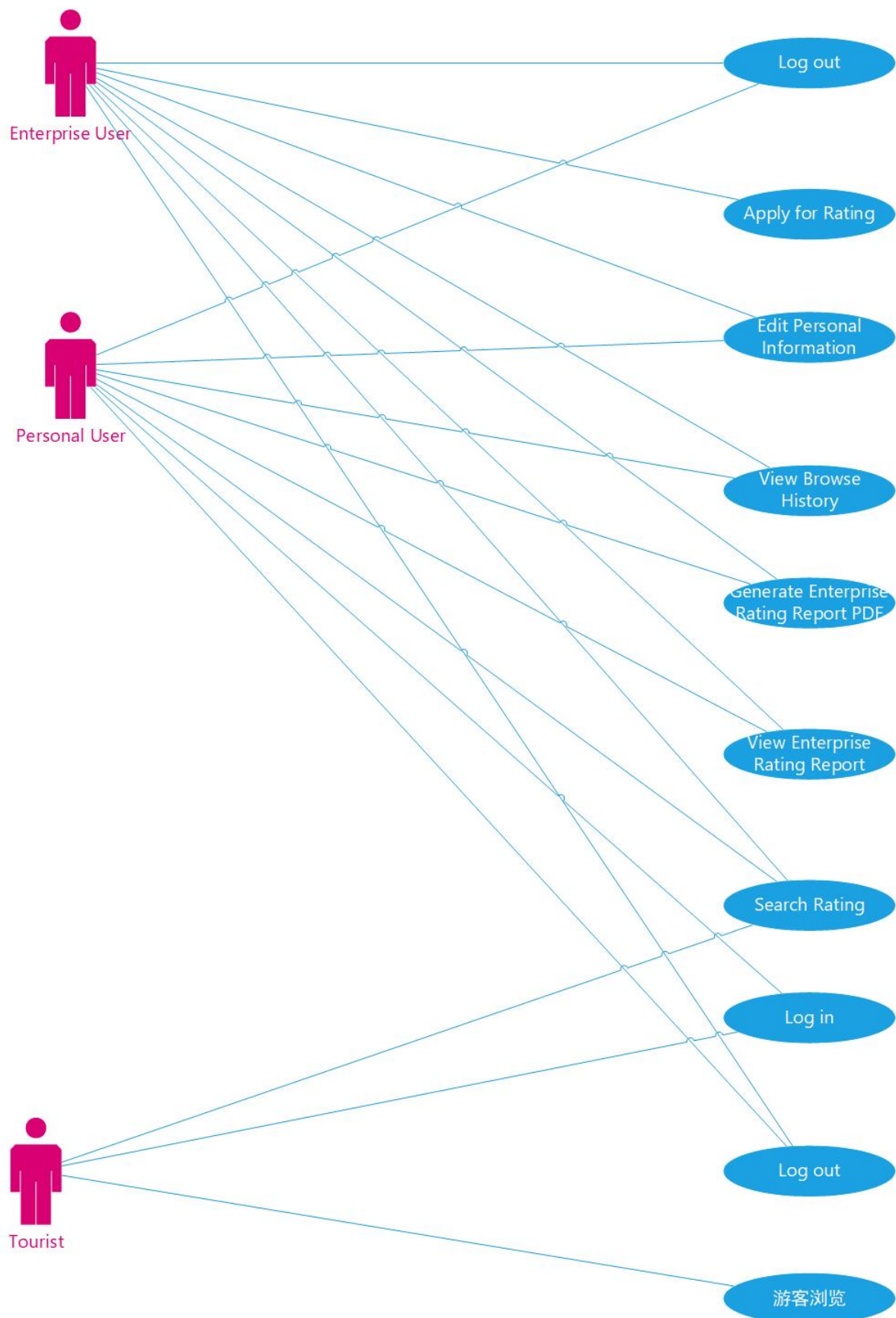
This document describes the user requirements of the IM credit intelligent manufacturing evaluation system and provides ?detailed instructions for use cases.

### 1.2 Description

This document helps understand the framework and details of requirements through detailed explanations of use cases, system sequence diagrams, conceptual class diagrams, and state diagrams.

## 2. Use Case Diagram

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### 3. Use Case List

- Tourist:
  - (Log in)
  - (Search rating)
  - 1. Browse the website
- Personal user:

- (Log out)
- 2. Register
- 3. Log in
- 4. Search rating
- 5. View rating report
- 6. Generate rating report PDF
- 7. View browsing history
- 8. Edit and change personal information
- Enterprise user:
  - (Register)
  - (Log in)
  - (Search Rating)
  - (View rating report)
  - (Generate rating report PDF)
  - (View browsing history)
  - (Edit and change personal information)
  - 9. Apply for rating
  - 10. Log out

## 4. Detailed Use Case Description

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### 4.1 Browsing the web as a tourist

- Use case number: 1
- Name: Browse the web as a tourist
- Participant : All users who visit the IM credit website, the purpose is to help visitors understand the IM credit system
- Triggering conditions: User visits IM credit website
- Preconditions:
  - 1. IM credit is connected to the Internet and can be accessed by users
- Postcondition:
  - no
- Priority: Middle
- Normal Process :
  - 1. IM credit display homepage
  - 2. User chooses to enter the system
- Expansion process:
  - 2a. The user clicks on the service bar at the top of the page
    - 1. User clicks to search enterprise rating
      - 1) The system displays the conditions and detailed information of the search company rating
      - 2. User click rating data publicity
        - 1) The system displays the detailed information of the rating data publicity
    - 3. User clicks to apply for rating report

- 1) The system displays the conditions and details of applying for a rating report
4. User clicks Register to log in
  - 1) The system displays different registration requirements for users with different identities and different permissions after login
5. User clicks "contact us"
  - 1) The system displays specific information
- 2b. The user clicks on the top of the page guide
  1. User click credit report generation guide
    - 1)The system displays the detailed process of credit report generation
    2. The user clicks on the company's Register and the participation guide
      - 1)The system displays the detailed process of company registration and participation
      3. User clicks on the privacy of the company rating
        - 1) The system displays the privacy regulations of the company rating
- 2c. The user clicks on the team at the top of the page
  1. The system displays team member information
- 2d.The user clicks on the top of the page to contact
  - 1.The system displays the specific contact person of the IM credit development team

## 4.2 Register

- Use case number: 2
- Name: Register
- Participant: Users who use the IM credit system, the purpose is to use the IM credit system to view the rating of the company
- Triggering conditions: The user clicks the Register button on the personal or corporate user page
- Preconditions:
  - 1.System access to the network is in good condition
- Postcondition: Store user information changes
- Priority: High
- Normal Process :
  1. If the user chooses personal
    - 1.1 User enters email
    - 1.2 User enters username
    - 1.3 User enters mobile phone number
    - 1.4 User enters password
    - 1.5 User enters password again
    - 1.6 The user clicks the confirm button
    - 1.7 User Register successfully
  2. If the user chooses the enterprise
    - 2.1 User adds business license

- 2.2 User enters company name
- 2.3 The user enters the company's Register number/credit code
- 2.4 User enters company contact
- 2.5 User enters email
- 2.6 User enters phone number
- 2.7 User enters password
- 2.8 User enters password again

- Expansion process:

- 1.1a The email address entered by the user is invalid

- 1.The system prompts "The email address you entered is unreasonable, please enter a valid email address", and cancel the email address you have entered

- 1.2a The username used by the user is already

- 1. The system cancels the prompt "This user name cannot be registered, the user name is already occupied by another user", and the entered user name is canceled

- 1.3a The mobile phone number entered by the customer is unreasonable

- 1. The system prompts "The mobile phone number you entered is unreasonable, please enter the correct mobile phone number", and withdraw the entered mobile phone number

- 1.4a The password entered by the user does not exceed 6 digits

- 1. The system prompts "The password you entered is not secure, please enter at least 6 characters as the password", and withdraw the entered password

- 1.5a The password entered by the user does not match the password entered last time

- 1. The system prompts "The password you entered does not match the password you entered last time, please reset the password", and the system cancels the first password entry

- 2.3a The Register code entered by the user does not exist

- 1. The system prompts "The Register code you entered does not exist or is unreasonable, please check and re-enter"

- Special needs:

- 1. The system should encrypt the user's personal information, and the system should not allow the user to view all the personal information of other users

## 4.3

- Use case number: 3
- Name: Log in
- Participant : Visitors to the IM credit website, the goal is to meet visitors' needs for understanding IM credit
- Triggering conditions:
  - 1. The system loads the website information normally
- Preconditions: The user selects Log in on the Log in page
- Postcondition: The system enters the IM credit page
- Priority: Middle

- Normal Process :
  1. If the user chooses the visitor Log in
    - 2.1 The system enters the visitor access page of IM credit
  2. If the user chooses personal or corporate Log in
    - 1.1 User enters username
    - 1.2 The user enters the corresponding password
    - 1.3 The user clicks the Log in
    - 1.4 The system shows Log in successfully
- Expansion process:
  - 2a. The username entered by the user does not exist
    1. The system prompts "The username you entered does not exist, please re-enter"
  - 2b. The password entered by the user is incorrect
    1. The system prompts "password error, please re-enter"
- special requirements:
 

no

## 4.4 Search Rating

- Use case number:4
- Name:Search Rating
- Participant :
- Triggering conditions:用户点击enterprise 评级按钮
- Preconditions:Visitors visiting the IM credit website, the goal is to check the credit rating of the company
  - 1.User Log in IM credit system
    2. System access to the network is in good condition
- Postcondition:
  1. The system displays the rating of the corresponding company
- Priority: High
- Normal Process :
  1. User clicks on show rating button
  2. The system displays the rating information of the corresponding company
- Expansion process:
  - 2a. The user chooses to view a specific level of business
    - 1.The user clicks on the level to be viewed
    2. The system displays the enterprises of the level selected by the user
  - 2b. The user chooses to view the rating of a particular company
    - 1.The user enters the company name in the search box
    - 2.Enterprise displays the level of a specific company selected by the user
- Special Requirments:
 

no

## 4.5 View corporate rating report

- Use case number: 5
- Name:View corporate rating report
- Participant: The user who uses the hotel reservation system, the purpose is to help companies or individual users to understand the detailed information of a specific company
- Triggering conditions: The user clicks the "Detailed Report" button on a specific company
- Preconditions:
  1. The user must have been identified
  2. The system loads corporate information normally
- Postcondition:The system loads corporate information normally
- Priority:High
- Normal Process :
  - 1.System list shows all companies
  2. The user selects a company and clicks the "detailed information button" below
  3. The user selects a company and clicks the "detailed information button" below
- Expansion process:no
- special requirements:  
no

## 4.6 Generate Enterprise report PDF

- Use case number: 6
- Name:Generate Enterprise report PDF
- Participant: Users who use IM credit, the purpose is to generate a PDF of the corporate credit report for users to view offline
- Triggering conditions:The user clicks the "Export pdf" button
- Preconditions:
  1. The user must have been identified
  2. The system loads corporate information normally
- Postcondition:The system exports corporate credit reports to PDF
- Priority:High
- Normal Process :
  - 1.The user clicks the "Export pdf" button at the bottom of the "View Page"
  2. The system generates corporate credit report PDF for users to download offline
- Expansion process:  
no
- special requirements:  
no

## 4.7 View browsing history

- Use case number:7
- Name:View browsing history
- Participant:Individuals and business users who use the IM credit system
- Triggering conditions:After the user clicks the personal center button to jump to the personal information page, click the browsing history button
- Preconditions:
  1. The user must have been identified
  2. System access to the network is in good condition
- Postcondition:  
no
- Priority:Middle
- Normal Process :
  1. User clicks on the personal center button
  - 2.User clicks the browsing history button
  2. The system displays the user's previous browsing history
- Extension Process:  
no
- Special Requirments:

1.The system should keep the user's browsing information confidential

## 4.8 Edit and change personal information

- Use case number: 8
- Name:Edit and change personal information
- Participant: Individuals and business users who use the IM credit system
- Triggering conditions: After the user clicks the personal center button to jump to the personal information page, click the modify information button
- Preconditions:
  1. The user must have been identified
  2. System access to the network is in good condition
- Postcondition:-Postcondition: The personal information of the user stored in the system has changed
- Priority:Middle
- Normal Process :
  1. User clicks on the personal center button
  2. User clicks the button to modify personal information
  3. The user selects the personal information column to be modified and re-edits the input box
  4. User clicks to save information
- Expansion process:
  - 2a.The user name modified by the user has been taken
    1. The system revokes this change and prompts "The username has been used"
  - 4a. User clicks the cancel button



1. The system cancels this information change

- special requirements:

1. The system should encrypt the user's personal information

## 4.9 Apply for rating

- Use case number: 9
- Name: Apply for rating  
Enterprise users who use IM credit, for the purpose of generating their own rating reports for other companies or individuals to inquire
- Participant :
- Triggering conditions: Enterprise users click "Apply for rating button"
- Preconditions:
  1. Enterprise/ser must have been identified
  - 2.The system loads corporate information normally
- Postcondition:Update corporate rating database
- Priority: Middle
- Normal Process :
  1. Enterprise users click the "Apply for rating" button
  2. Enterprise users choose the type of enterprise
  3. Enterprise users fill in the indicator system for the integration of the two
  4. Enterprise users fill in financial indicators
  5. Enterprise users click the "Submit data to complete the evaluation" button
- Expansion process:

no
- special requirements:

The system should encrypt the user's personal information

## 4.10 Log out

- Use case number: 10
- Name:Log out
- Participant :Individual users and corporate users who use IM credit
- Triggering conditions:After personal or enterprise Log in IM credit system, click the Log out button
- Preconditions:Individual or corporate users must complete identification and authentication
- Postcondition:no
- Priority:High
- Normal Process :
  1. Users can Log out by clicking the leave icon at the bottom right of the avatar in the left column
  2. Log in status of the system exiting user
- Expansion process:

no

- special requirements:

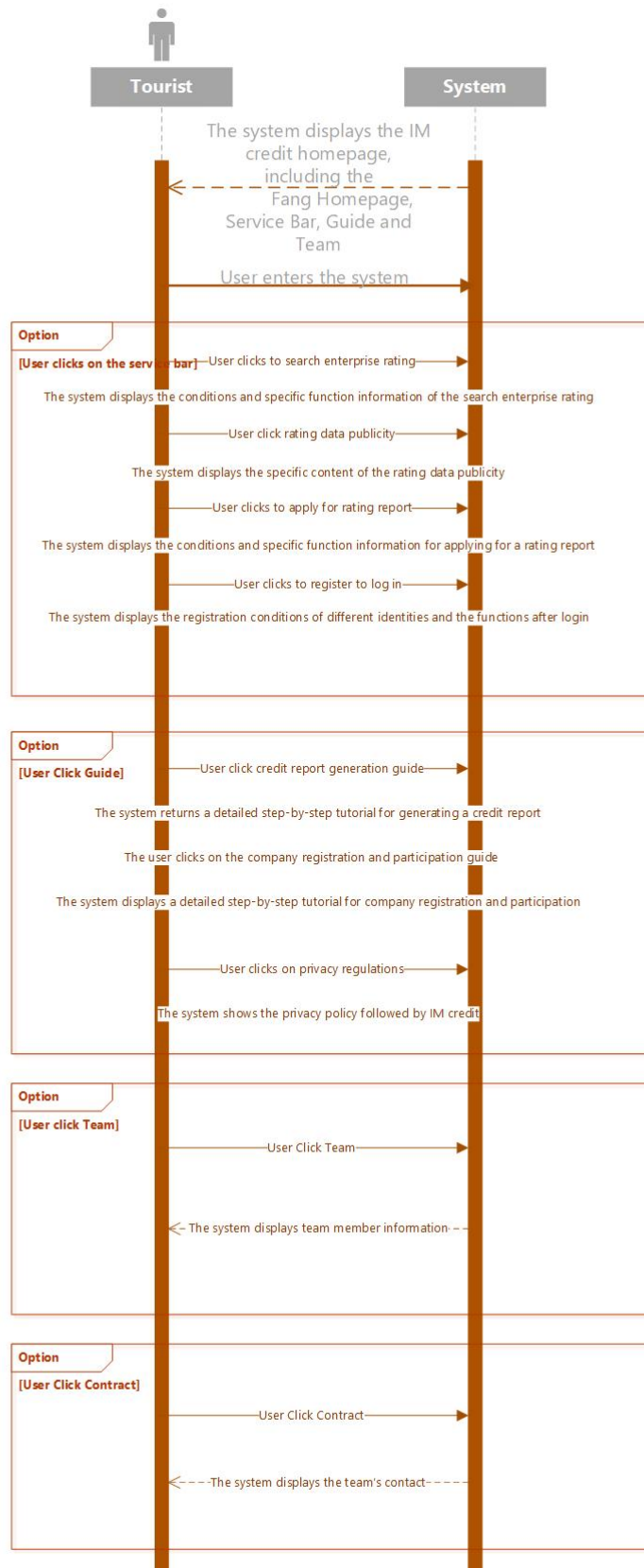
no

## **5. Demand Analysis Model**

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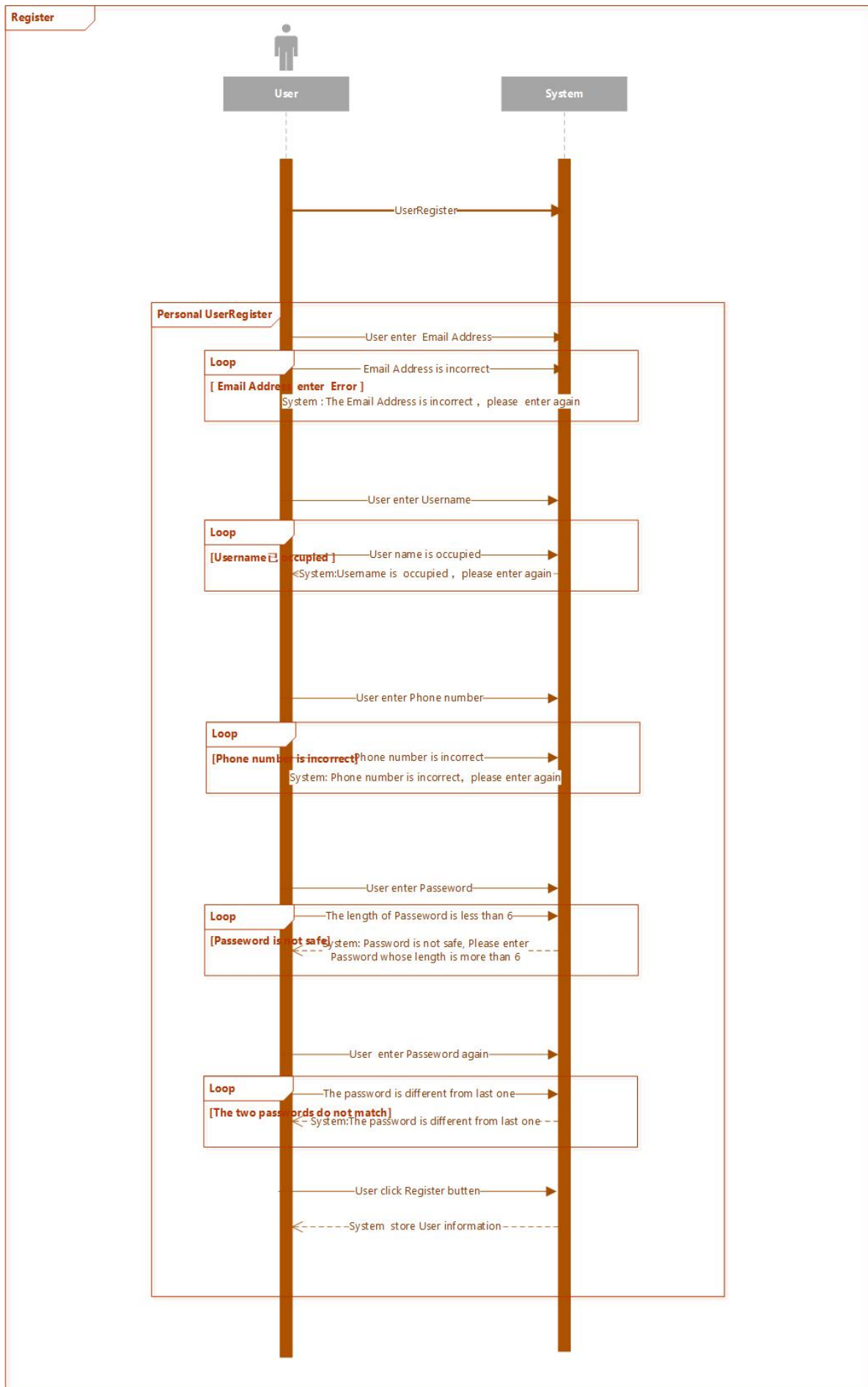
### **5.1 System Sequence Diagram**

#### **5.1.1 Browsing the web as a tourist**



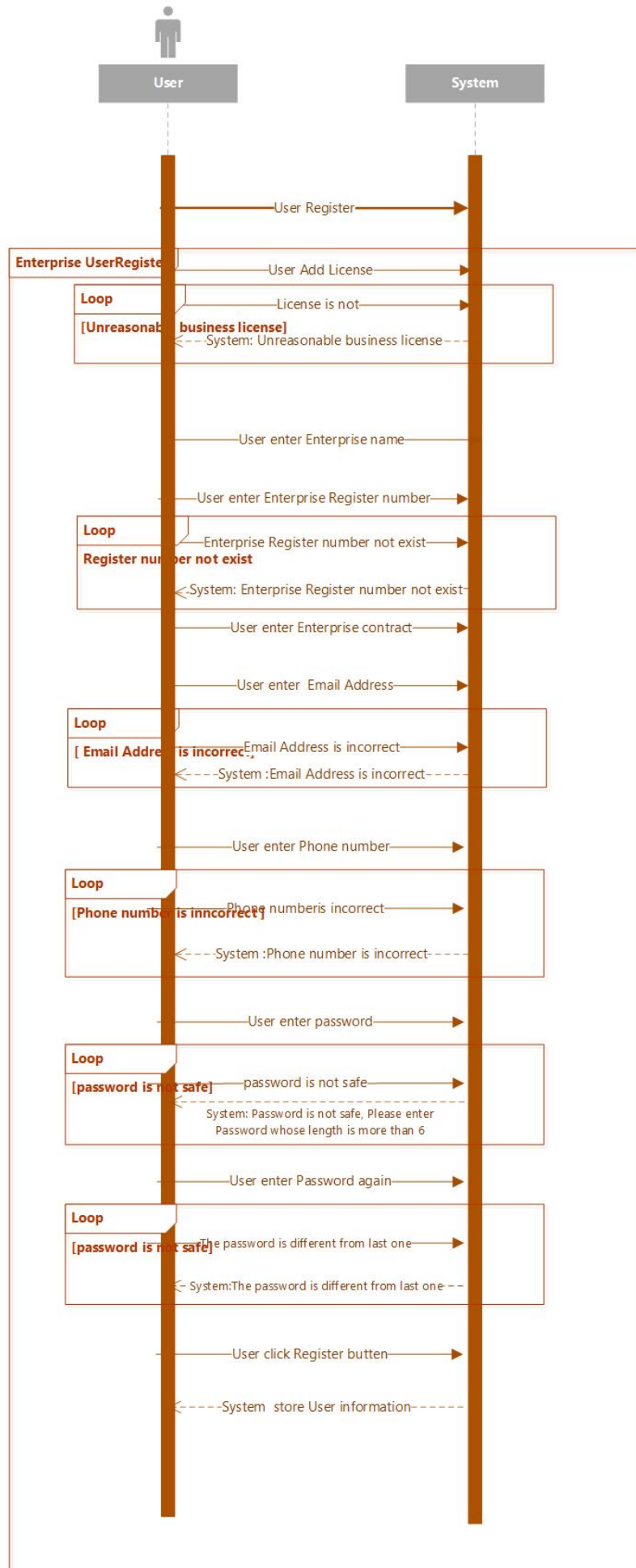
## 5.1.2 Register

(1) personal Register

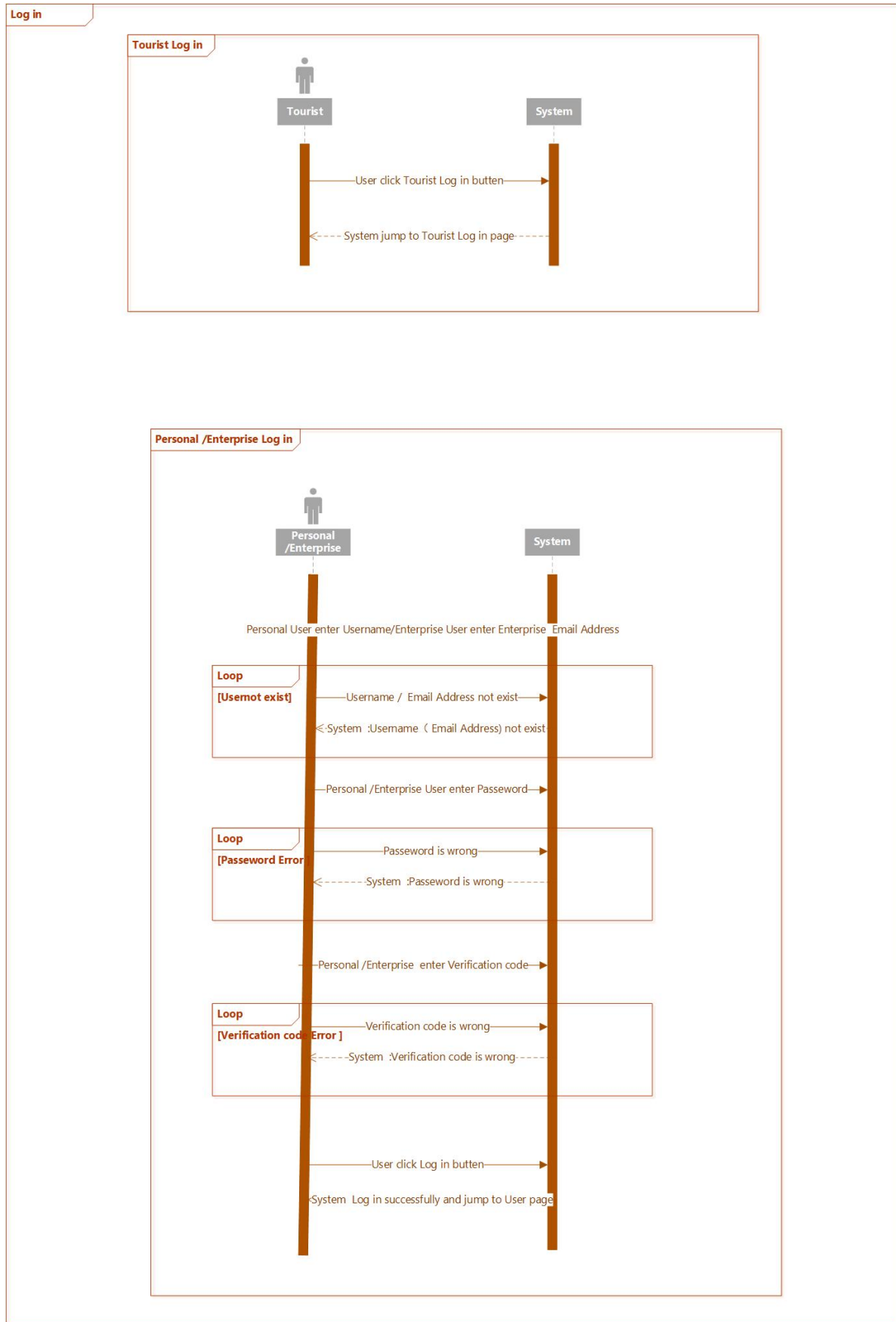


(2)enterprise Register

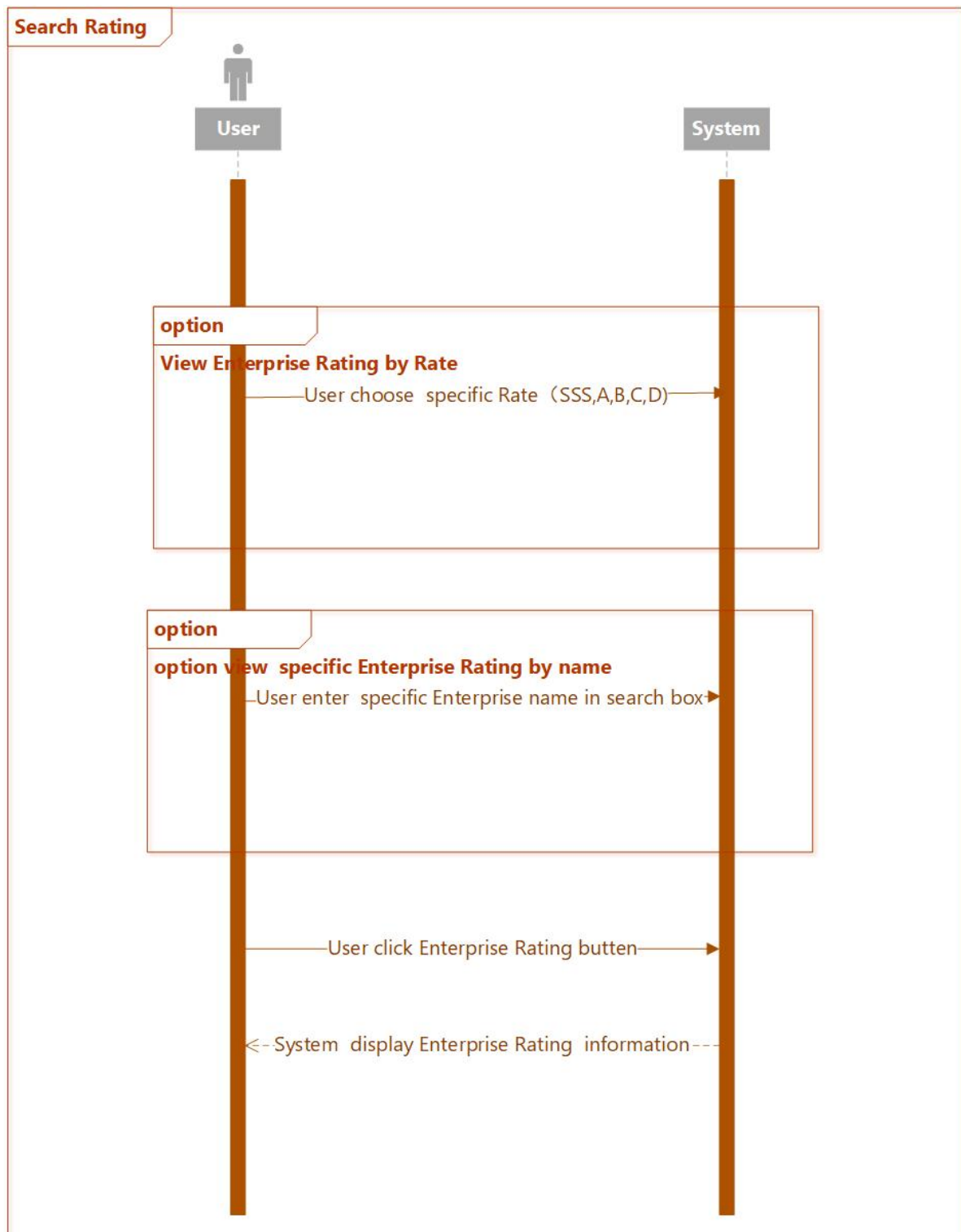
## Register



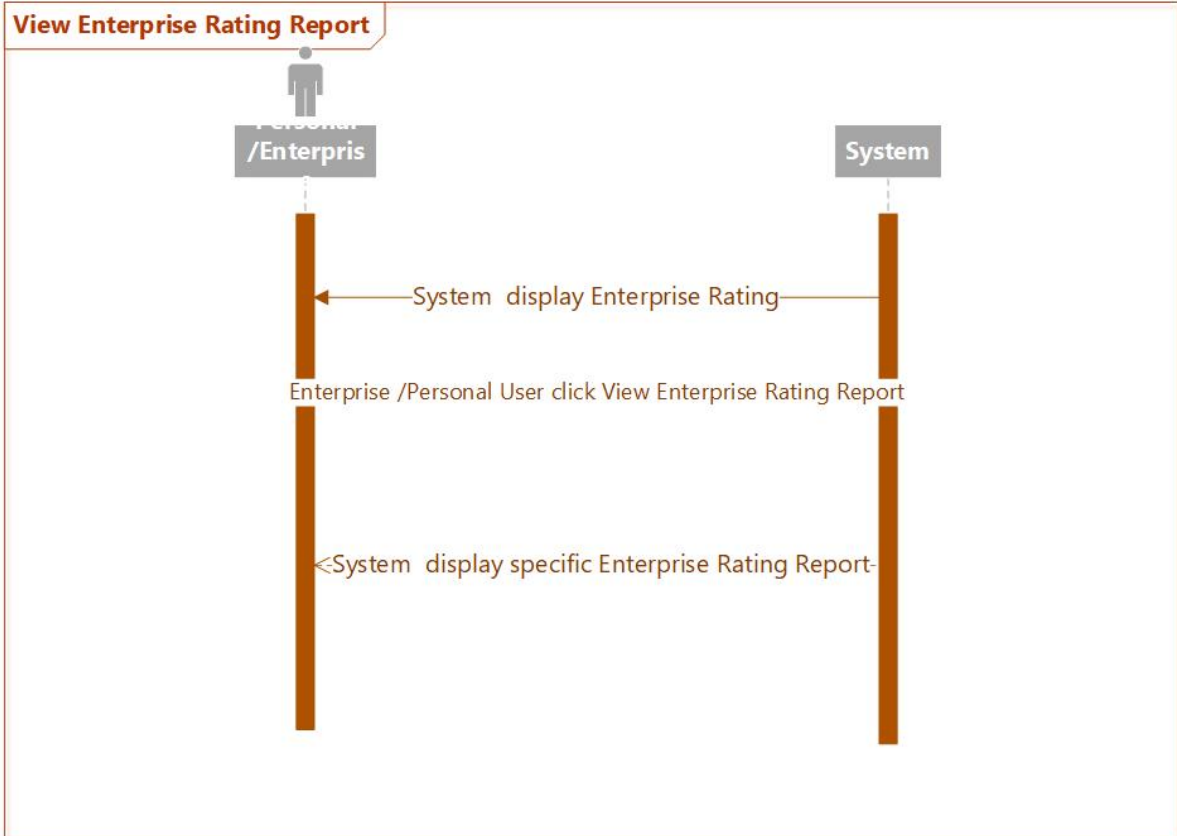
### 5.1.3 Log in



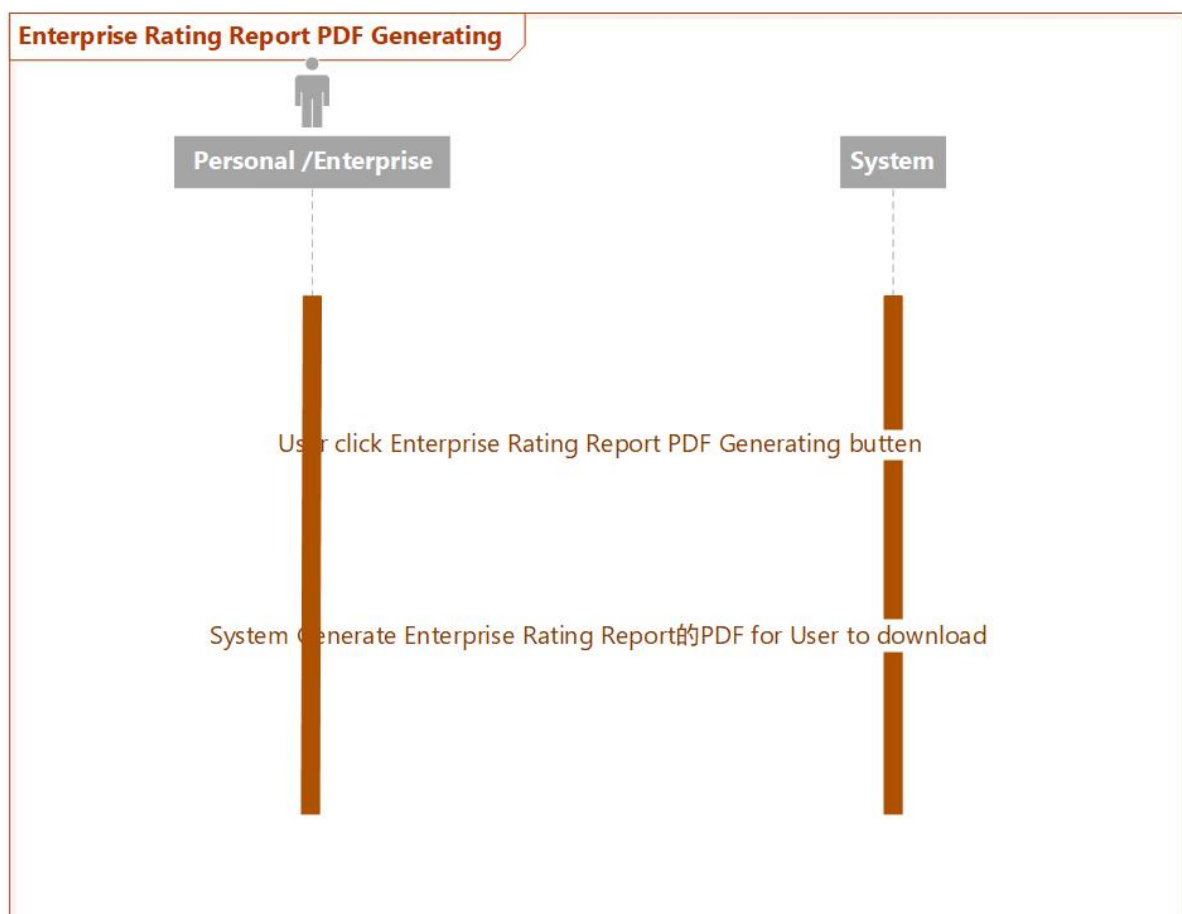
### 5.1.4 Search Rating



### 5.1.5 View corporate rating report

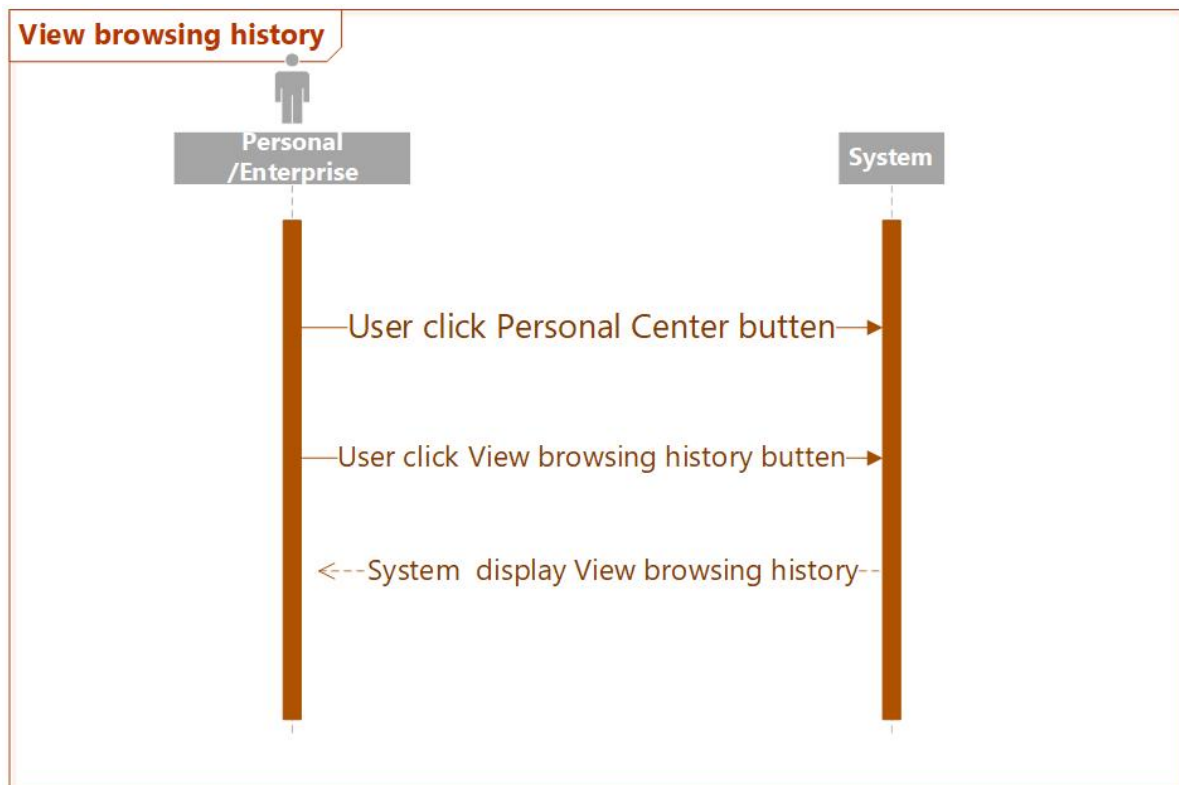


### 5.1.6 Generate Enterprise report PDF

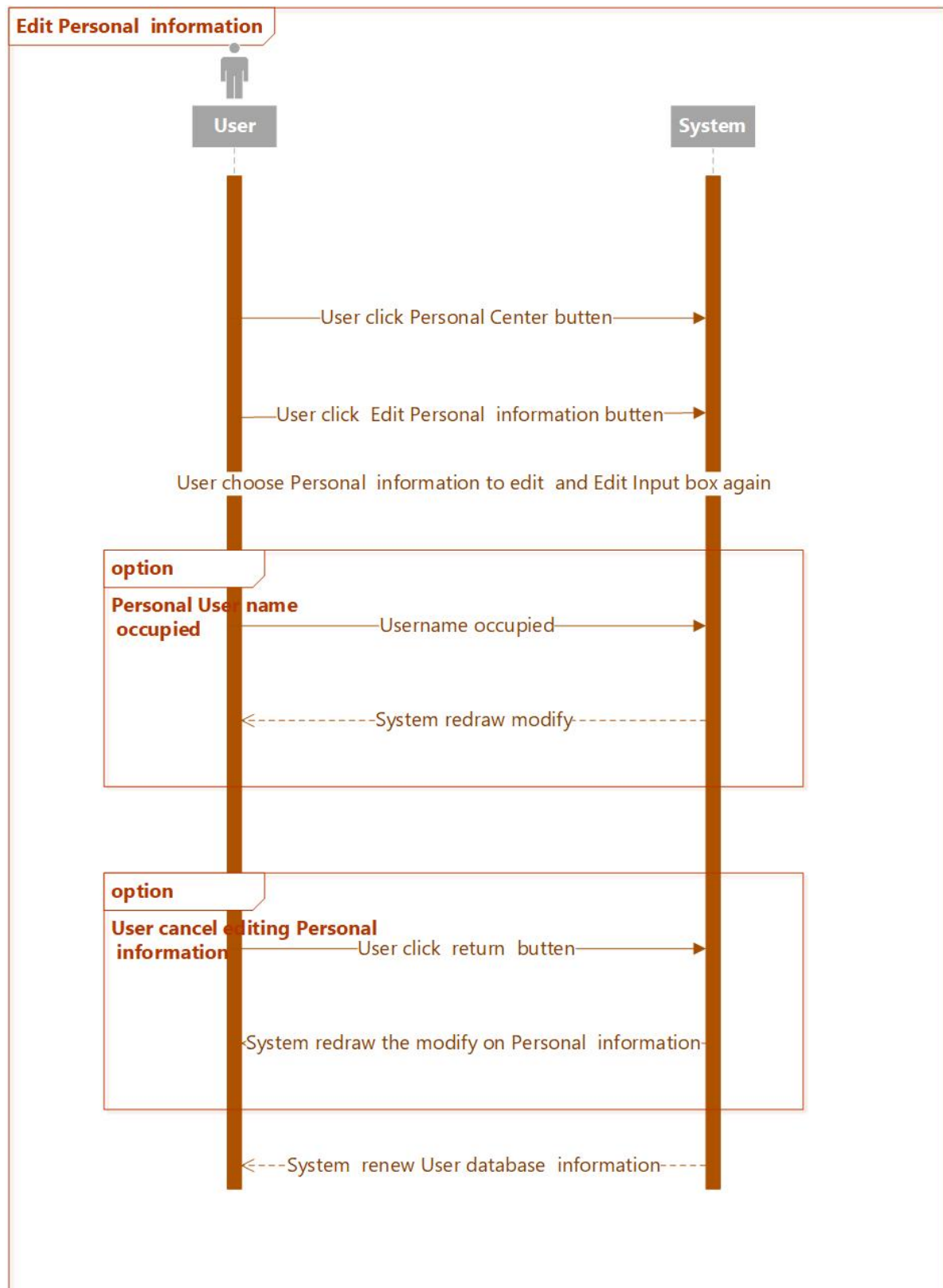




### 5.1.7 View browsing history

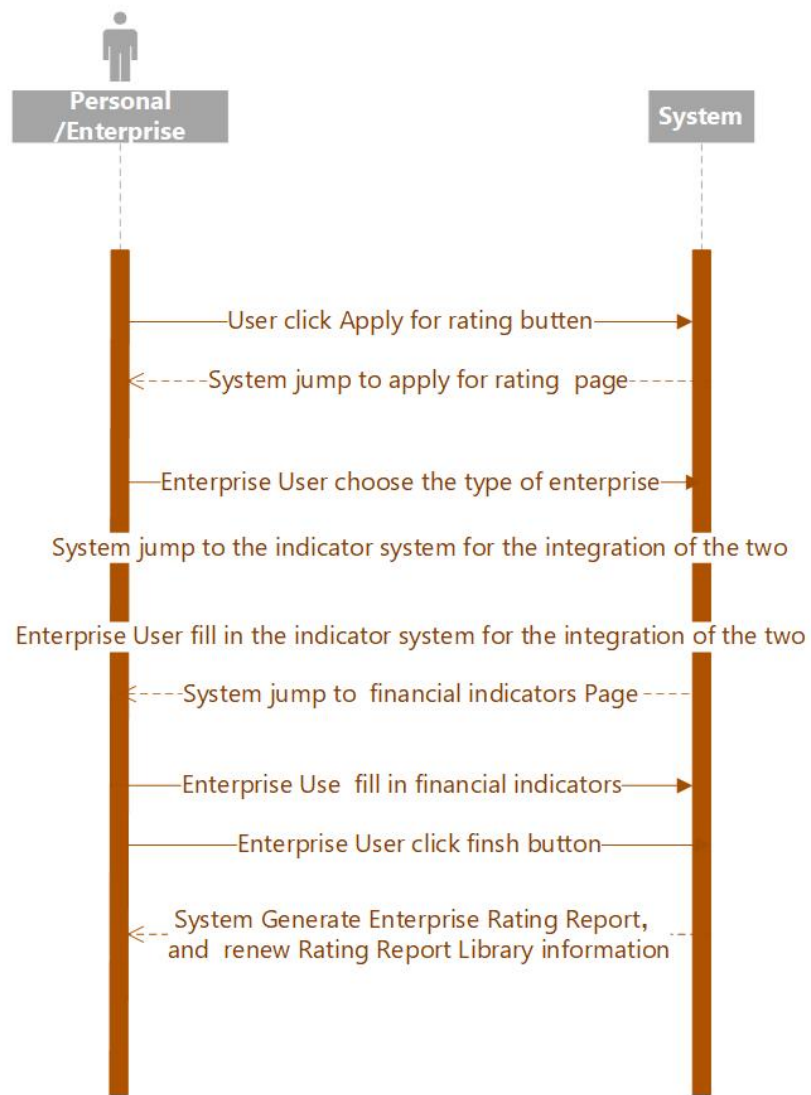


### 5.1.8 Edit and change personal information

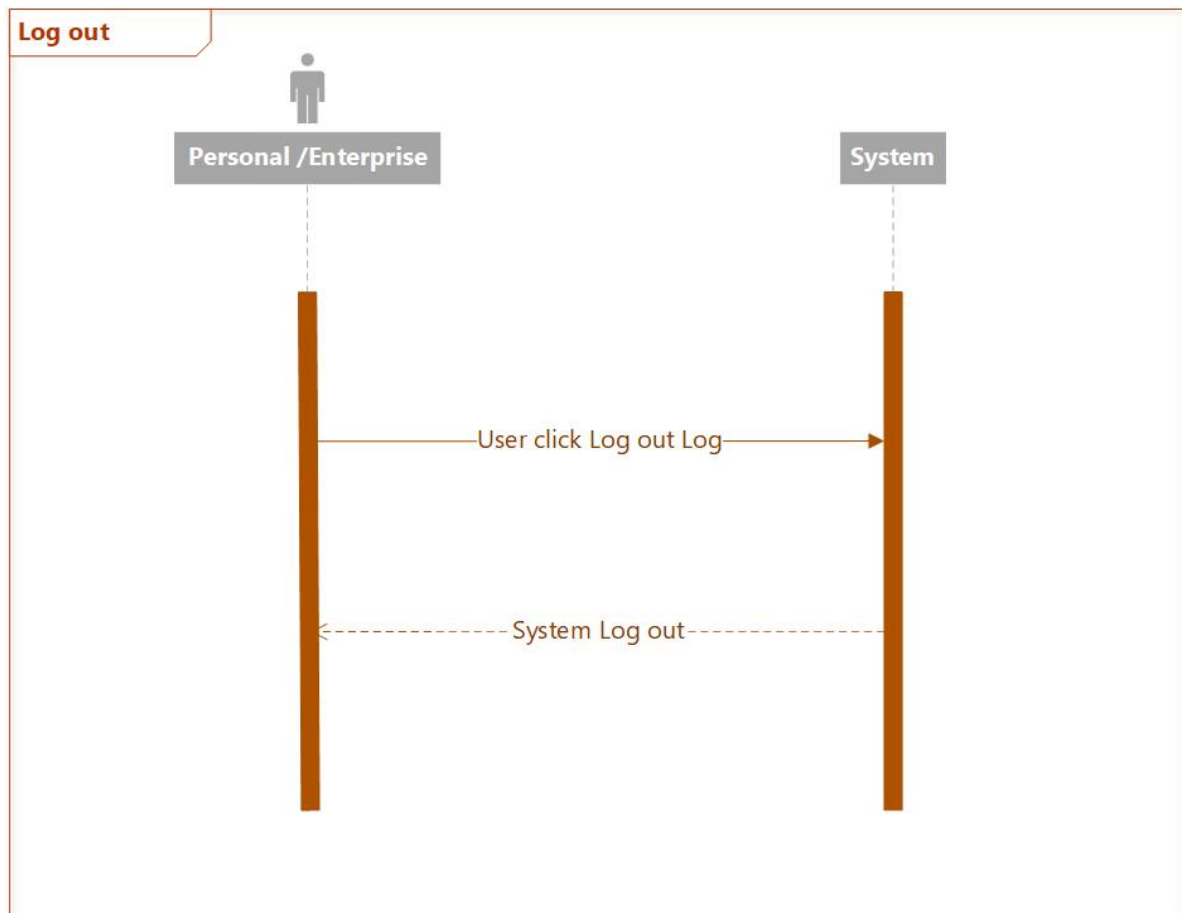


### 5.1.9 Apply for rating

### Apply for rating

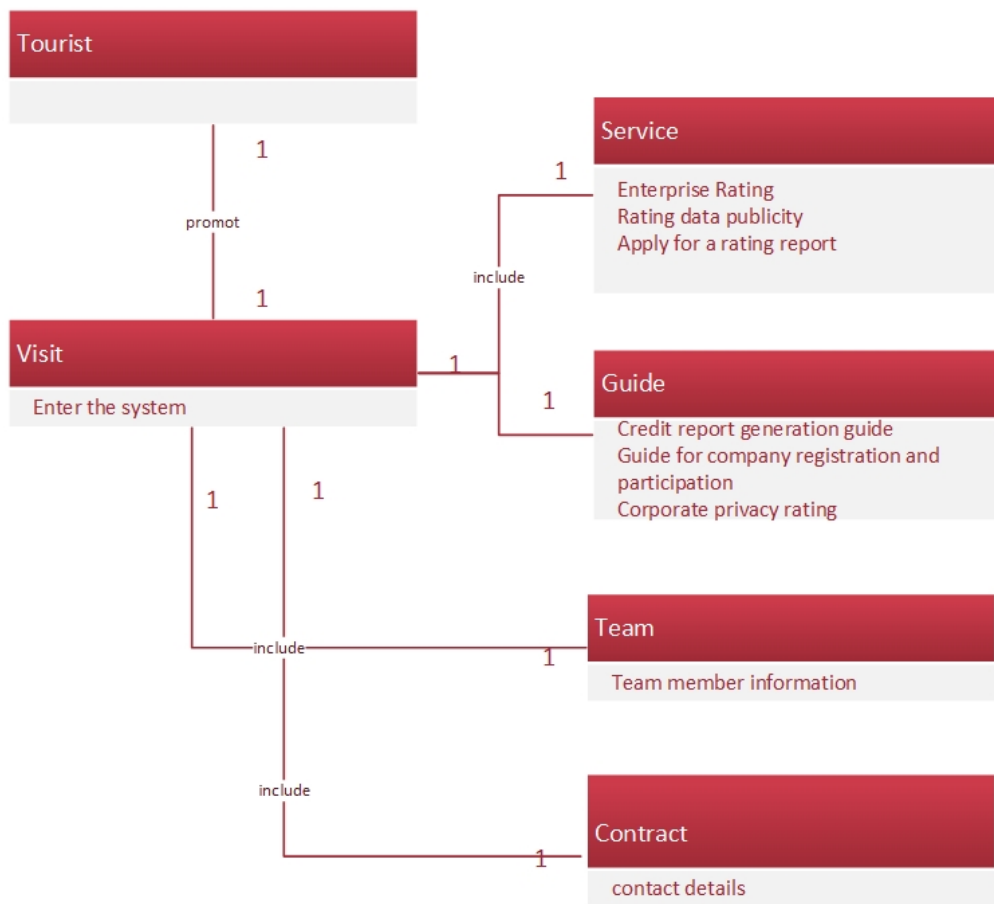


### 5.1.10 Log out

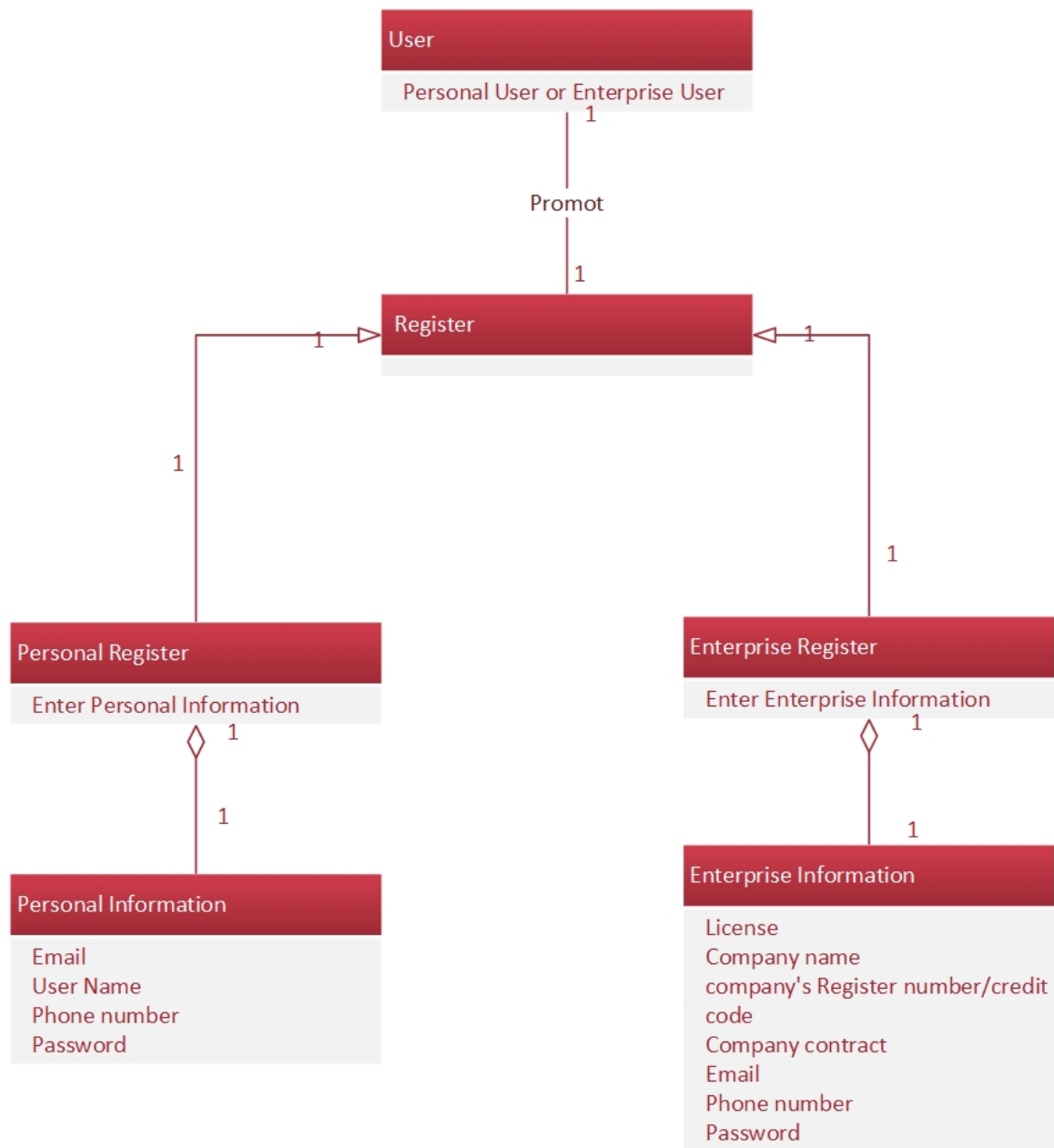


## 5.2 Concept Class Diagram

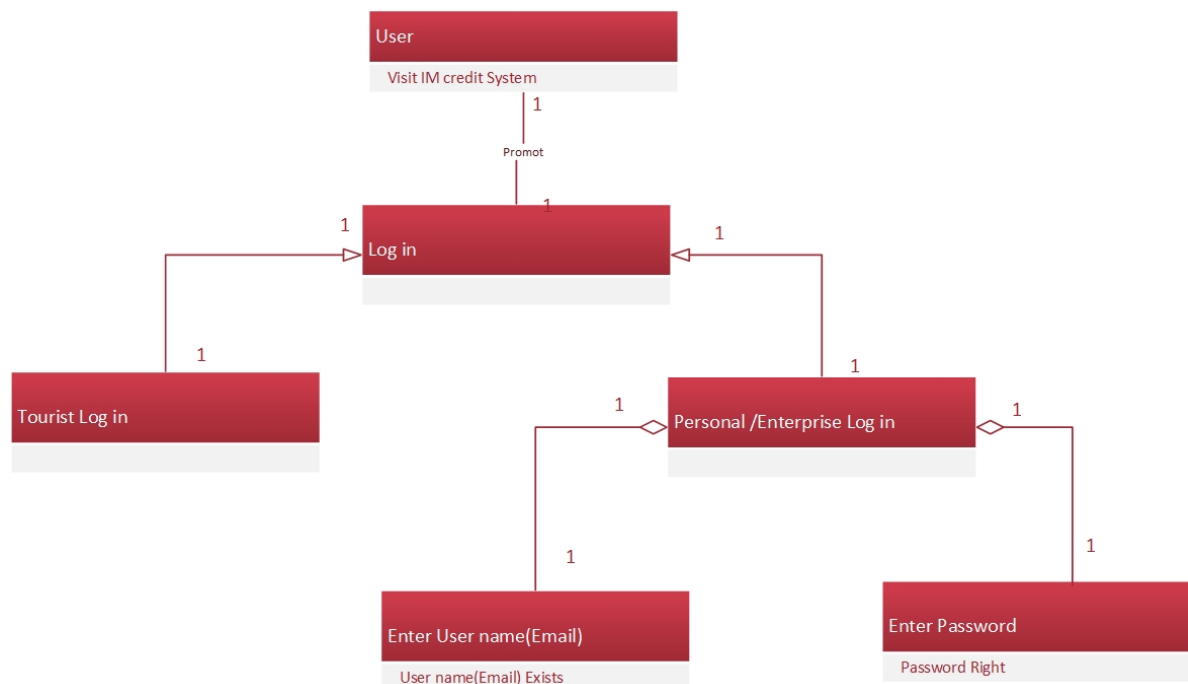
### 5.2.1 Browsing the web as a tourist



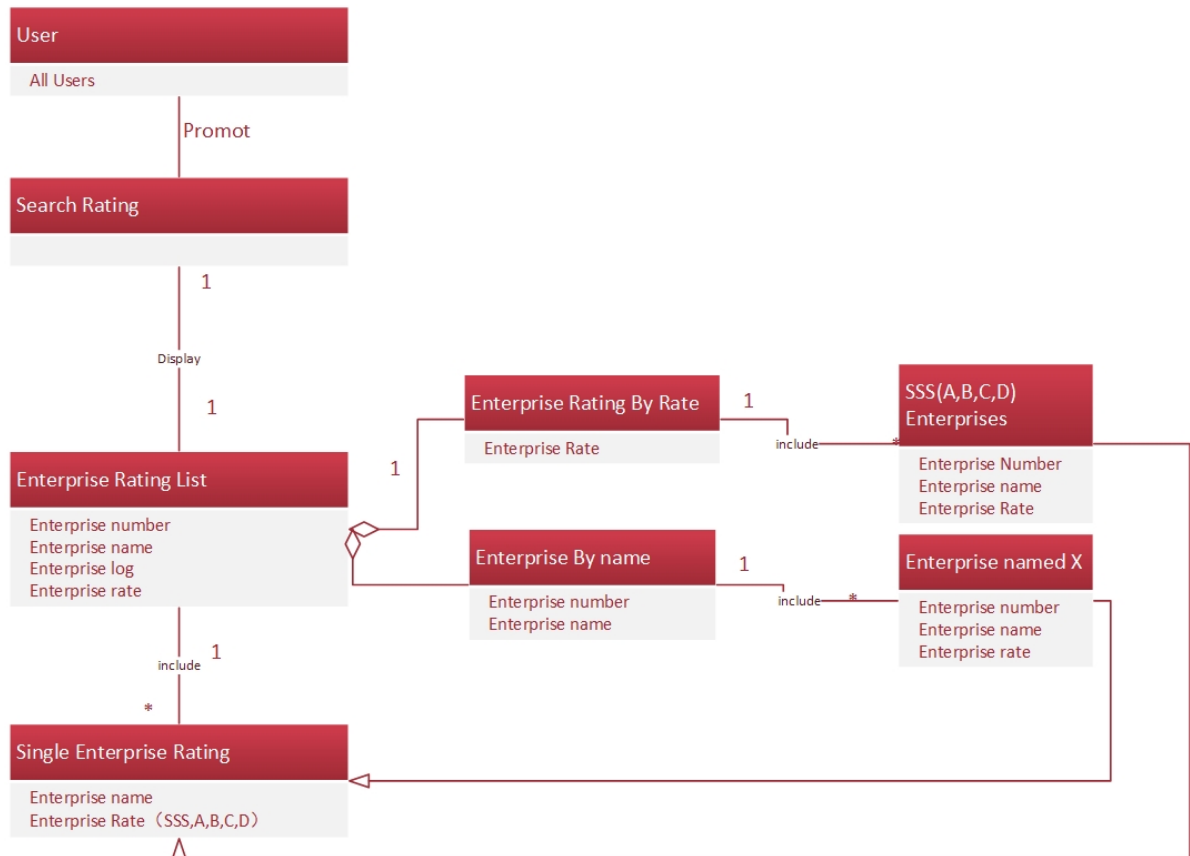
### 5.2.2 Register



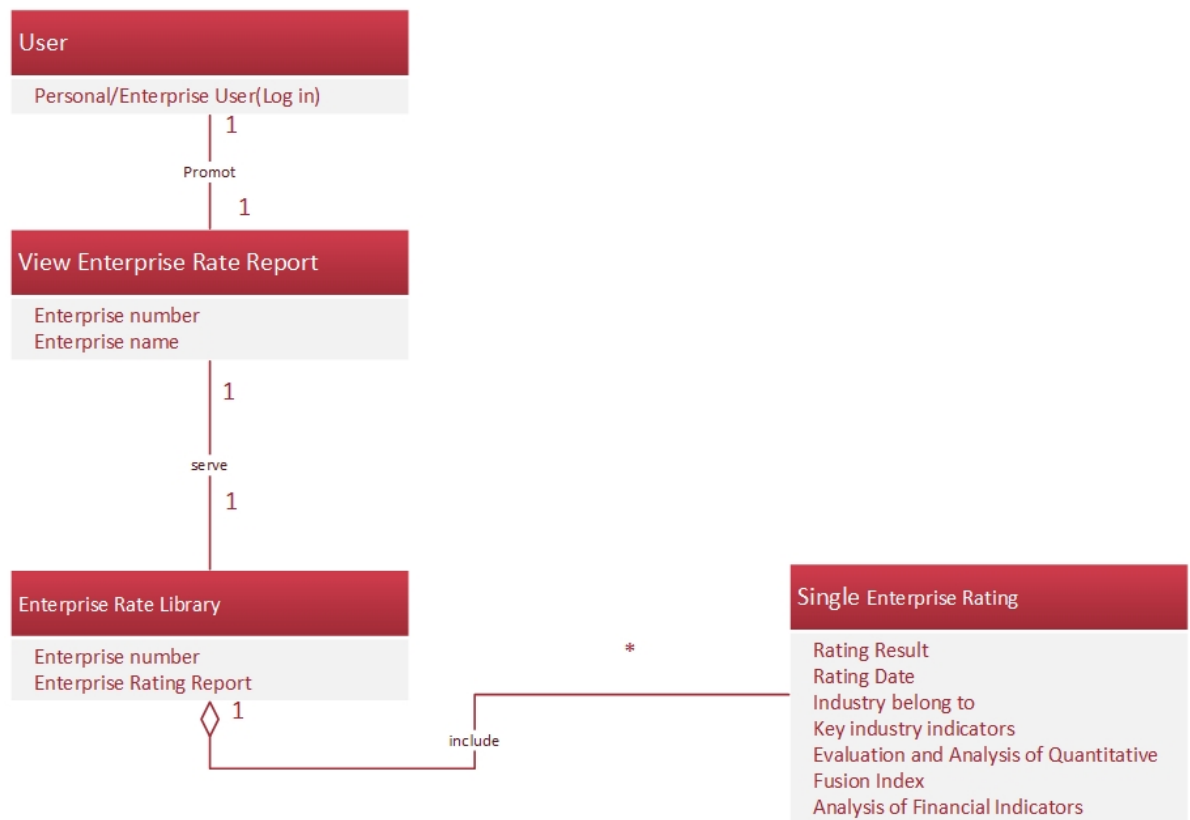
### 5.2.3 Log in



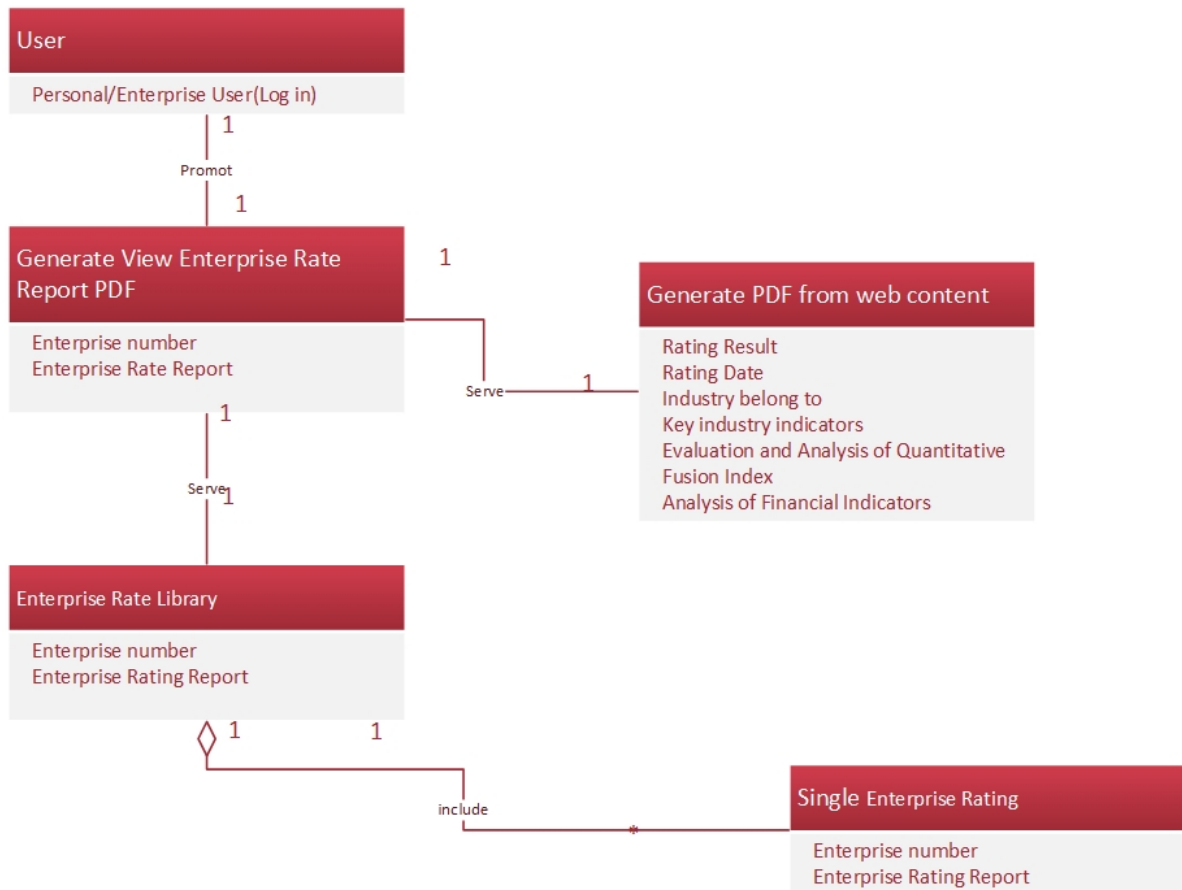
## 5.2.4 Search Rating



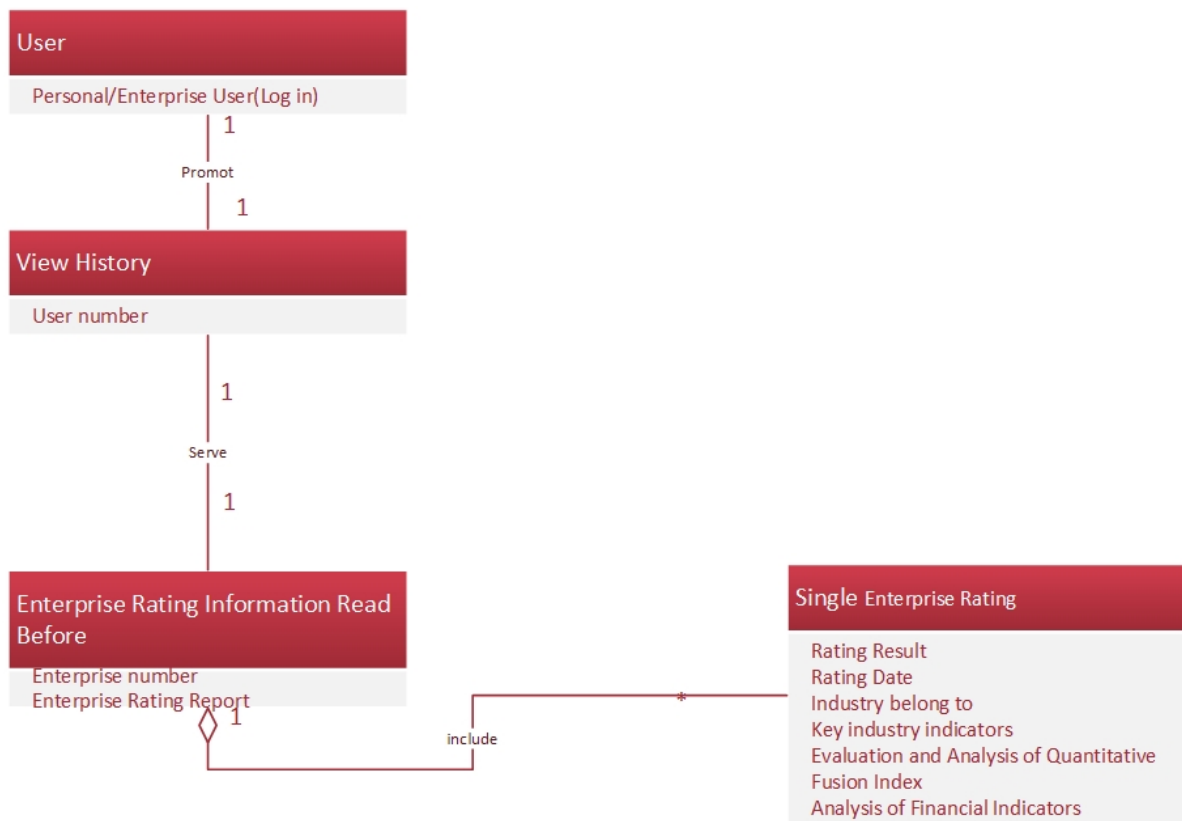
## 5.2.5 View corporate rating report



## 5.2.6 Generate Enterprise Rating Report PDF

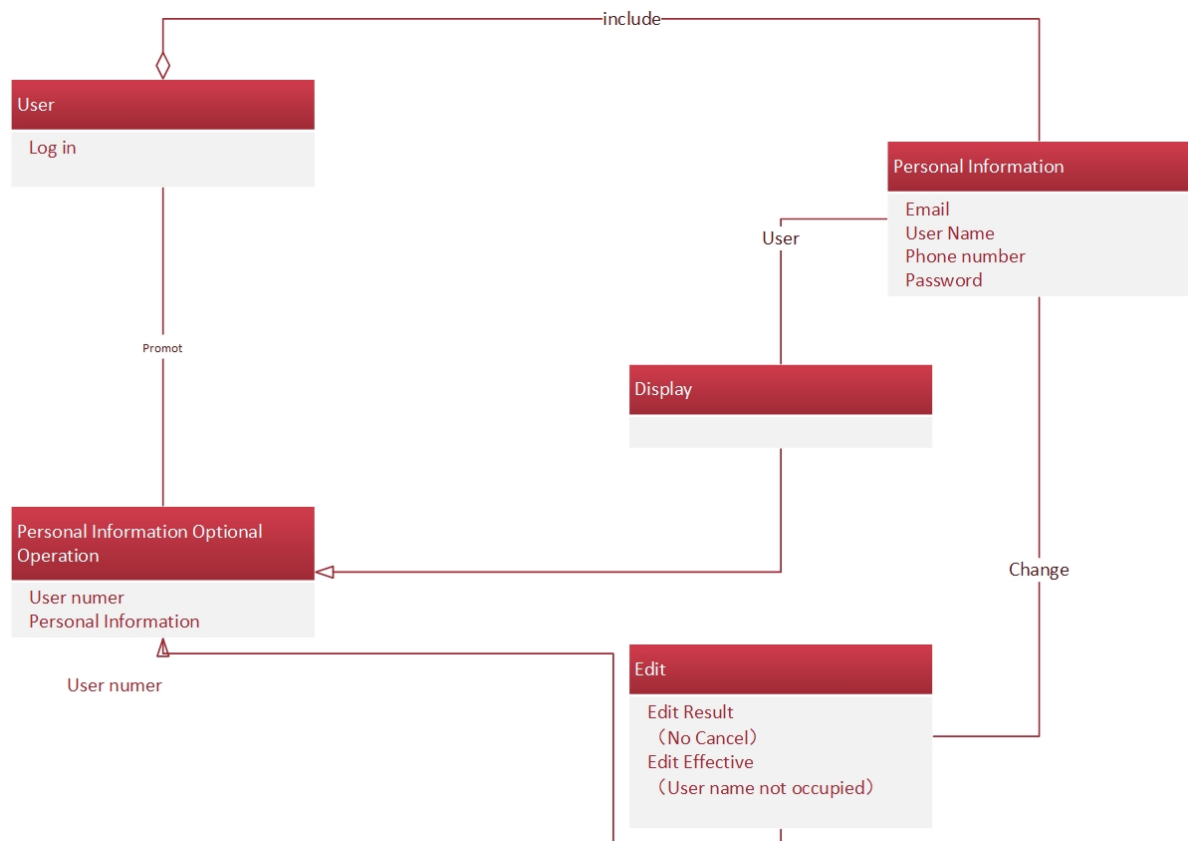


## 5.2.7 View browsing history

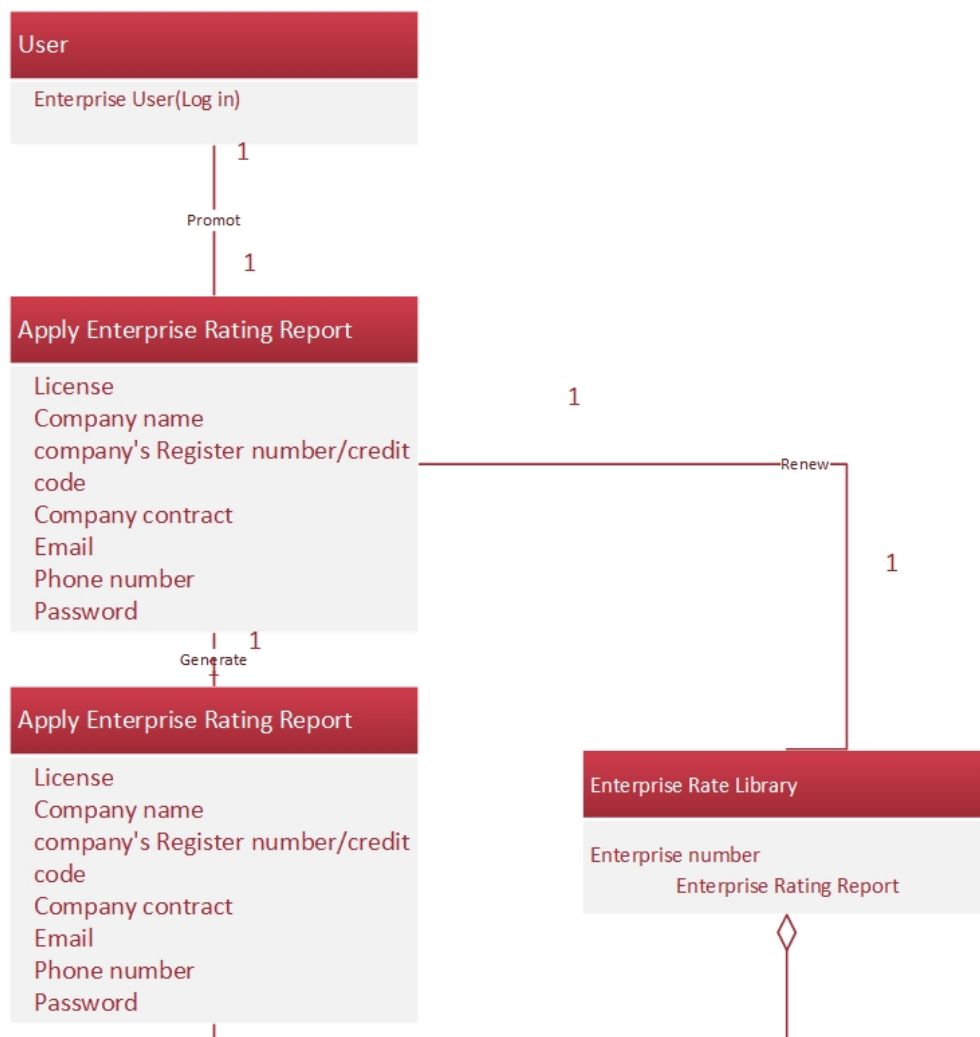




## 5.2.8 Edit and change personal information



## 5.2.9 Apply for rating

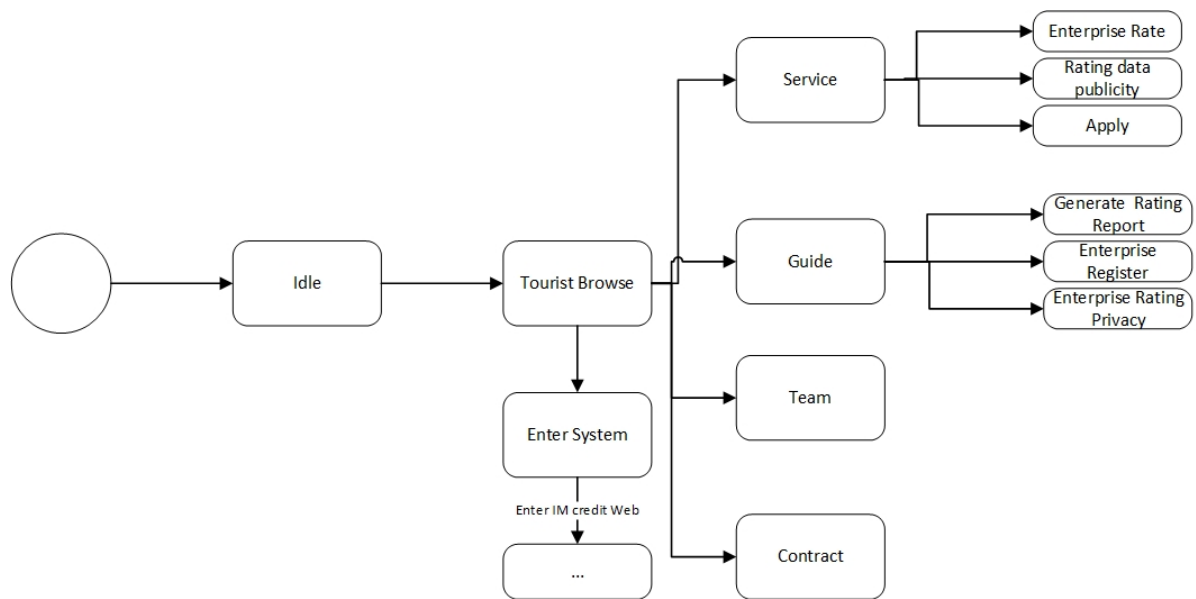


## 5.2.10 Log out

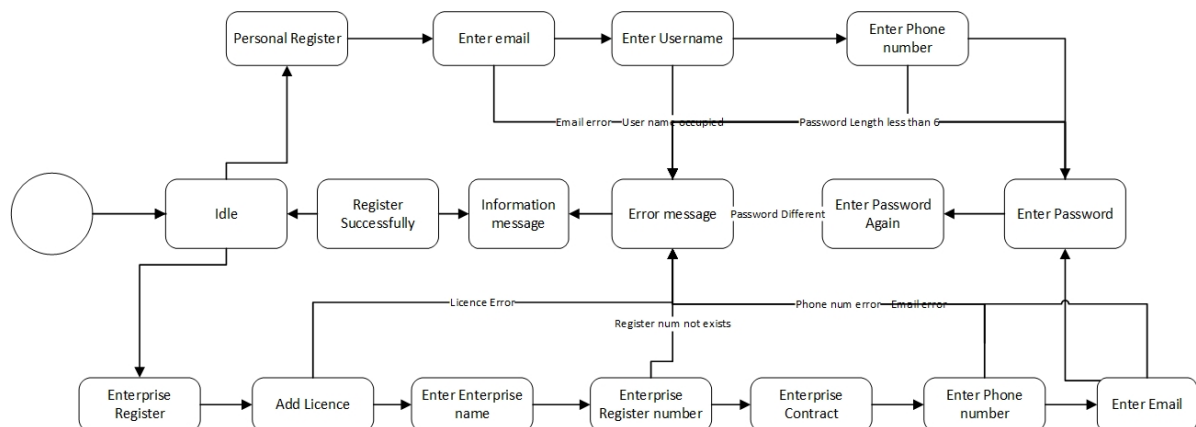


## 5.3 State Diagram

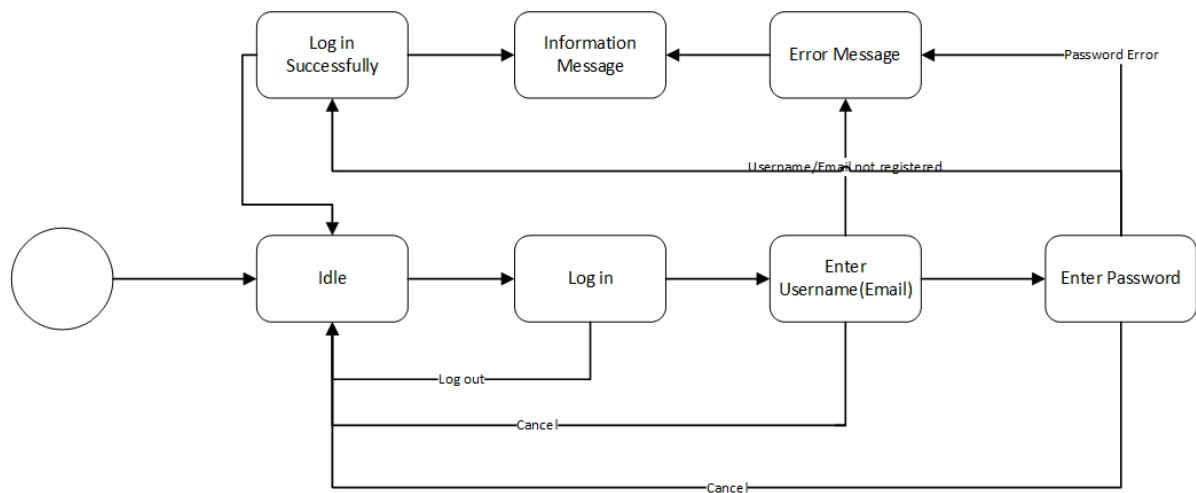
### 5.3.1 Browsing the web as a tourist



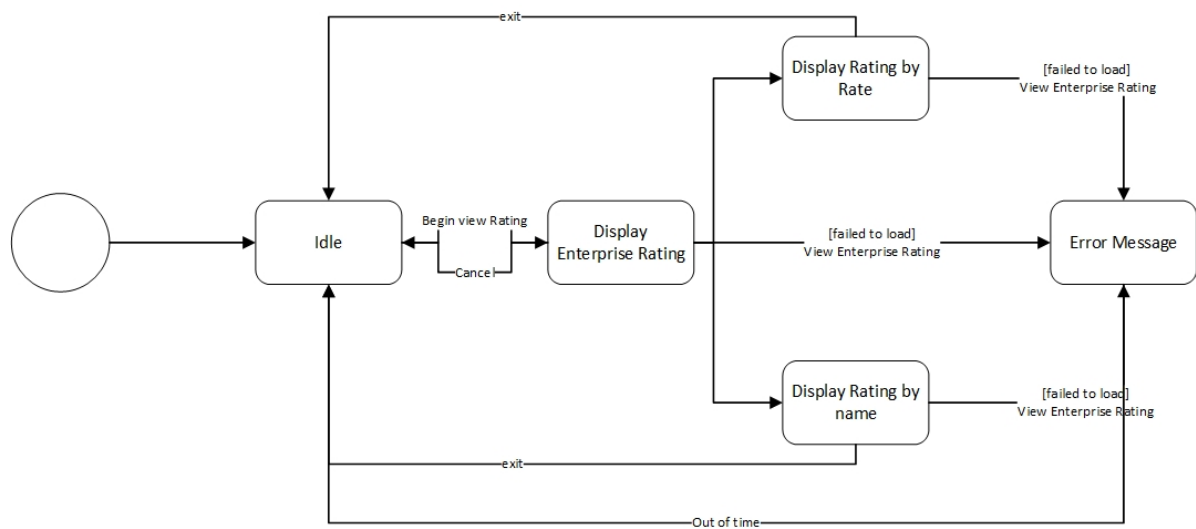
### 5.3.2 Register



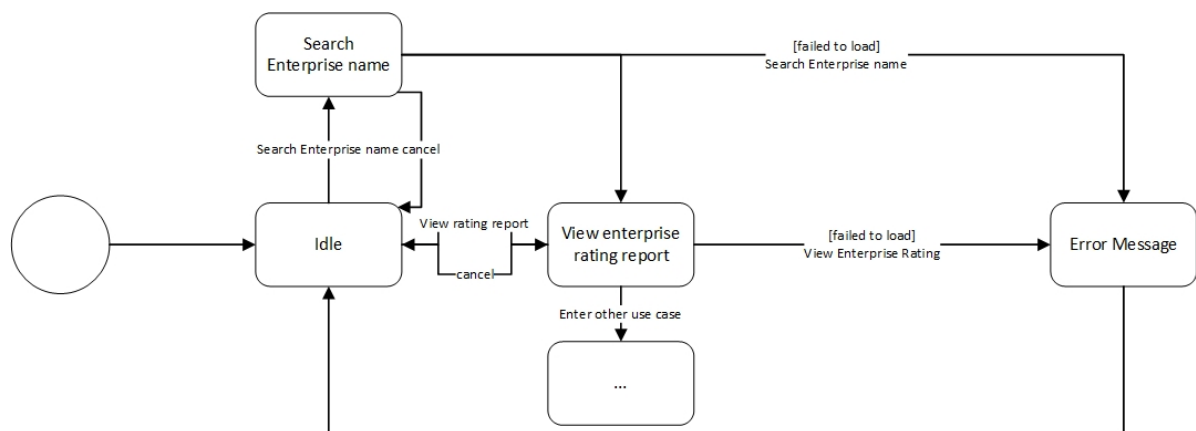
### 5.3.3 Log in



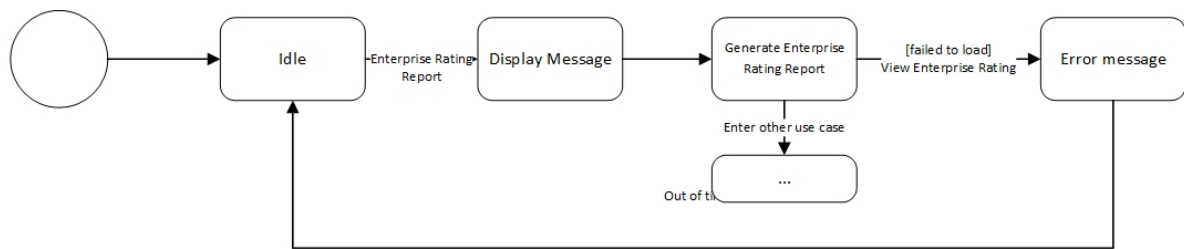
### 5.3.4 Search Rating



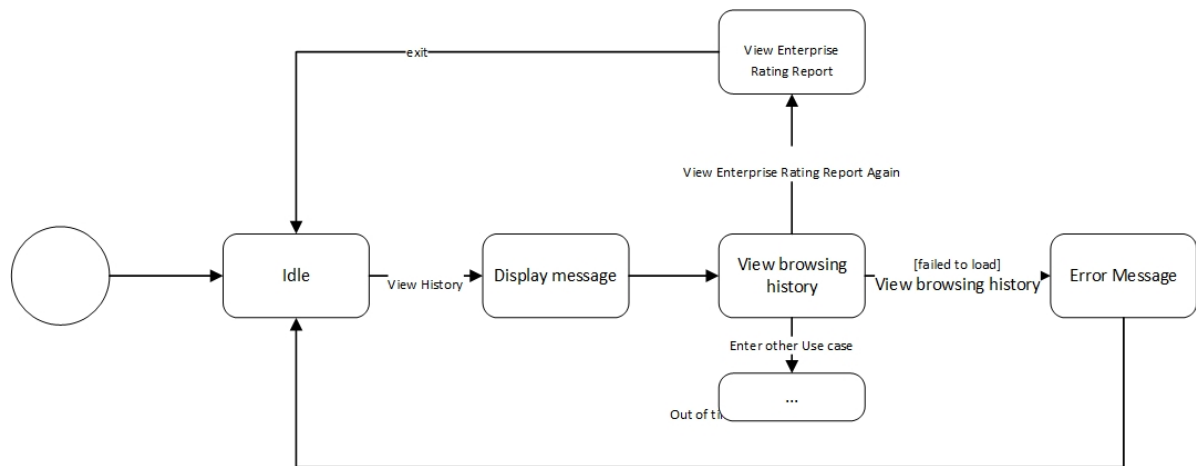
### 5.3.5 View corporate rating report



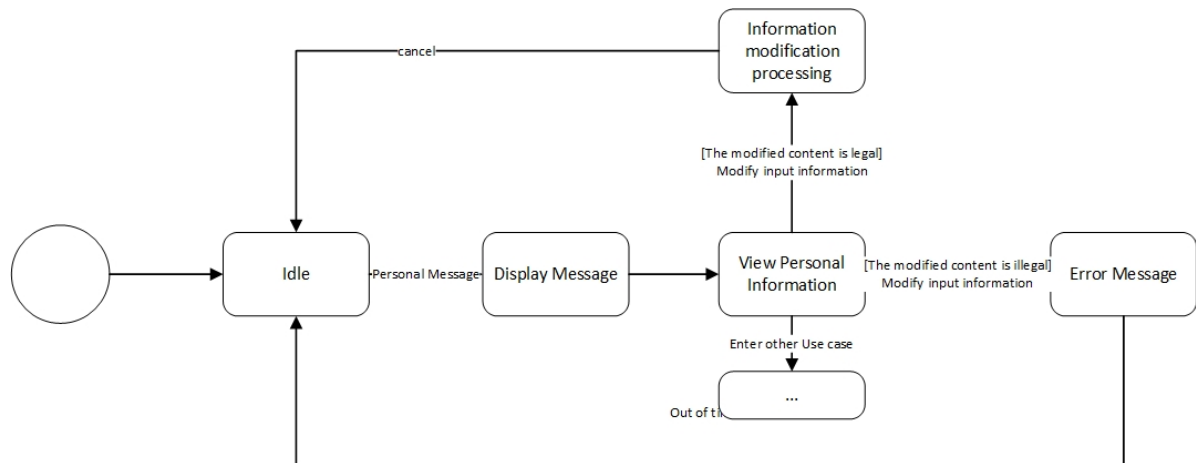
### 5.3.6 Generate Enterprise Rating Report PDF



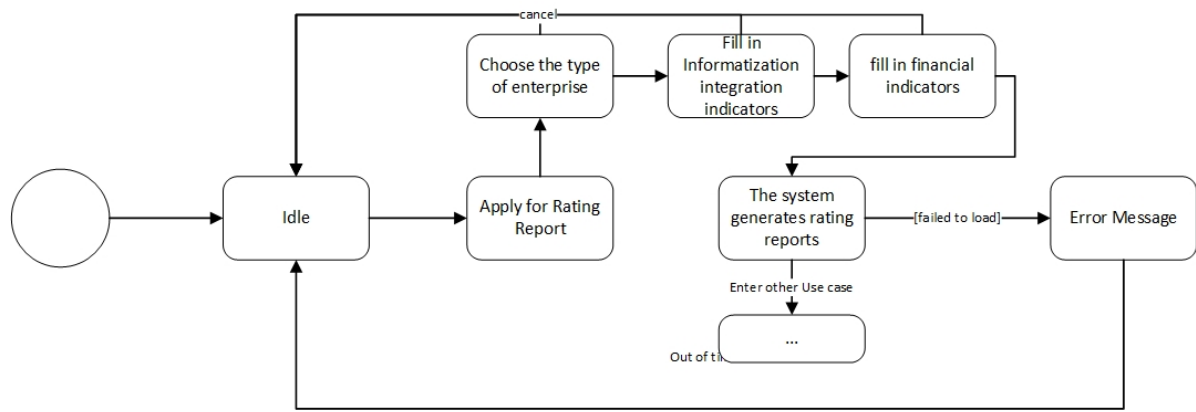
### 5.3.7 View browsing history



### 5.3.8 Edit and change personal information



### 5.3.9 Apply for rating



### 5.3.10 Log out

see 5.3.3